

## Product datasheet for **TP300583L**

### ID3 (NM\_002167) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human inhibitor of DNA binding 3, dominant negative helix-loop-helix protein (ID3), 1 mg                                      |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC200583 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | MKALSPVRGCYEAVCCLSERSLAIARGRGKGPAAEEPLSLDDMNHCSRLRELVPGVPRGTQLSQVEIL<br>QRVIDYILDLQVLAEPAPGPPDGPHLPIQTAELAPELVISNDKRSFCH                             |
|                                       | <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>   |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 12.8 kDa   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:                               | <a href="#">NP_002158</a>  |
| Locus ID:                             | 3399   |
| UniProt ID:                           | <a href="#">Q02535</a>   |
| RefSeq Size:                          | 1252   |



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Cytogenetics: 1p36.12

RefSeq ORF: 357

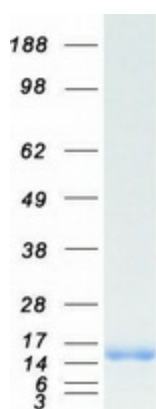
Synonyms: bHLHb25; HEIR-1

**Summary:** The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with other HLH proteins. However, the encoded protein lacks a basic DNA-binding domain and therefore inhibits the DNA binding of any HLH protein with which it interacts. [provided by RefSeq, Aug 2011]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

**Protein Pathways:** TGF-beta signaling pathway

### Product images:



Coomassie blue staining of purified ID3 protein (Cat# [TP300583]). The protein was produced from HEK293T cells transfected with ID3 cDNA clone (Cat# [RC200583]) using MegaTran 2.0 (Cat# [TT210002]).